

CLAIMS

1. A sensing device for a safety belt comprising
- 5 a tightening unit having a fastening plate;
- a pulling force recording unit for mounting to a fastening seat of the safety belt;
- 10 an impact status recording unit;
- a recording indication unit; and

wherein the pulling force recording unit comprises a clipping frame

15 containing a fastening loop with one end protruded out from the sensing device and an elastic mounting unit capable of changing the resistance value when a pulling force is exerted, the impact status recording unit comprises a pendulum mounted on which changes the resistance value of circuit board by the swinging of the pendulum, and the fastening status recording unit comprises an enumerating sensing

20 switch, and electrical signal and resistance of the above units are transferred to the record indication unit.

2. The sensing device for a safety belt as set forth in Claim 1, wherein the
- 25 tightening unit comprises an engaging element and a releasing button, and a partial of the releasing button is exposed laterally and the engaging element is adhered to the lateral face of the releasing button to elastically mount the fastening belt of the safety belt.

3. The sensing device for a safety belt as set forth in Claim 2, wherein the
- 30 fastener engaging body comprises a fastening plate, and one end of the plate is mounted with a rotating shaft having a twisted spring, by means of the spring urging the fastening plate, an elastic engaging is formed.

- 35 4. The sensing device for a safety belt as set forth in Claim 1, wherein the record indication unit comprises two time indication batteries, a time adjusting button, an impact force indication light at least one battery, a plurality of ICs and an

indication circuit board formed from a signal line connector, the battery provides the required power of the device and the two time indication circuits record the time simultaneously.

5 5. The sensing device for a safety belt as set forth in Claim 5, wherein when impact, one of the time indication circuits receives an impact signal from the pulling force record unit and the impact status record unit.

6. The sensing device for a safety belt as set forth in Claim 5, wherein when
10 ~~impact the other time indication circuit continues time recording.~~

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